

Features

- Very compact units
- New Design
- Leaving and Return Water Temperature control
- Hydro Pack Standard
- Buffer Tank supresion function
- Dynamic Set Point Function
- Fan Speed Control as standard
- Condenser protection grill as standard
- Very safety units: including filter and sight glass
- Anti-corrosion coated condenser fins as standard

Options / Accessories

- Unit available without Hydro Pack
- Anticorrosion condenser fins
- BMS Communication
- Remote control
- Remote Terminal (new)
- High Pressure Fans (new)
- Auxiliar Electric heater (new)
- External Buffer tank (new)
- Water filter (for units without Hydro Pack)
- Flow switch (for units without Hydro Pack)
- Copper condenser fins

Air cooled chiller Air to water heat pump

YLCA-YLHA 5 to 40

A complete range from 5 kW up to 156 kW



YLCA-YLHA 5 to 40

5 to 41 kW



Preliminary data

Technical features

M Single phase T Three phases supply C Hydro Pack

		YLCA / YLHA G1										
		5 M-MC	7 M-MC	7 T-TC	9 M-MC	9 T-TC	12 T-TC	15 T-TC	20 T-TC	27 T-TC	40 T-TC	
Performance	Cooling capacity cooling only units (1)	kW	5.4	7.1	7.1	8.6	8.6	12.0	14.5	19.5	25.6	38.5
	Total Input Power (1)	kW	1.8	2.4	2.4	3.2	3.2	3.9	5.4	6.6	8.7	12.8
	Cooling capacity heat pump units (1)	kW	5.2	6.9	6.9	8.6	8.6	11.6	14.2	19.2	25.6	38.0
	Heating capacity heat pump units (1)	kW	5.8	7.9	7.9	9.8	9.8	12.6	15.3	20.4	26.3	40.5
	Total Input Power cooling/heating mode (1)	kW	1.9 / 2.0	2.6 / 2.8	2.6 / 2.8	3.3 / 3.1	3.3 / 3.1	3.8 / 3.7	5.2 / 4.7	6.6 / 6.2	8.7 / 8.2	12.6 / 12.0
	Capacity steps	%	0 / 100									
	Sound power level	dB(A)	70	70	70	71	71	73	73	74	78	81
Compressor	Sound pressure level at 10 m	dB(A)	40	40	40	41	41	43	43	44	48	51
	Type		Scroll									
Air side heat exchanger	Quantity		1									
	Fans quantity		1									
Water side heat exchanger	Working Ambient temp. cooling / heating mode		(4) (-18°C) -10°C ~ 46°C / -10°C ~ 20°C						-18°C ~ 46°C / -10°C ~ 20°C			
	Type		Heat Plate Exchanger									
Dimensions & Weight	Unit water volume (2)	Litres	1	1.1	1.1	1.2	1.2	1.5	2	2.8	3.2	4
	Pump Type		Circulator (3 speeds)					Multi stage				
Electrical features	Available pressure (1) (2)	kPa	51	80	80	75	75	115	152	134	191	190
	Pressure drop (1) (3)	kPa	52	33	33	31.5	31.5	22.5	23	46	40	53
Working range water leaving temp. cooling/heating (5)			-5°C to 15°C / 30°C to 50°C									
Water connections		inch	1"						1 1/4"		1 1/2"	
Dimensions & Weight	Height / Width / Depth	mm	762/905/460	965 / 905 / 460				1 270 / 905 / 460		1270/1430/502	1270/1876/502	1573/1500/822
	Weight without pack / pack cooling only	kg	77 / 83	98 / 105		103 / 110		136 / 150	145 / 160	205 / 220	275 / 290	340 / 400
	Weight without pack / pack heat pumps	kg	79 / 85	100 / 107		105 / 112		140 / 154	149 / 164	220 / 235	315 / 330	380 / 440
Electrical features	Voltage / Phases / Frequency	V/ph/Hz	230-1-50	230-1-50	400-3-50	230-1-50	400-3-50					
	Running current (max) (2)	A	12.6	17.1	7.6	23	8.3	12.7	15.8	18.1	23	34

YLCA: Cooling only units models. YLHA: Air to water heat pump models.

(1) net values at Eurovent nominal conditions (2) version C with hydro kit (3) version without hydro kit (4) -18°C with LAK option (5) below 6°C with glycol

Nominal conditions: Cooling capacities in kW given for 7°C water leaving temperature Δt 5°C and 35°C ambient temperature

Heating capacities in kW given for 45°C water leaving temperature and 7°C ambient temperature

Compatibility table / Codes

Model	5 MC	7 MC	7 TC	9 MC	9 TC	12 TC	15 TC	20 TC	27 TC	40 TC
YLCA Cooling only units (Pack included)	668550582	668550782	668550784	668550982	668550984	668551282	668551582	668552082	668552782	668554082
YLHA Heat pump units (Pack included)	668650582	668650782	668650784	668650982	668650984	668651282	668651584	668652082	668652782	668654082

Options (Factory fitted)

Model	5 M	7 M	7 T	9 M	9 T	12 T	15 T	20 T	27 T	40 T	
YLCA Cooling only units (without Pack)	668550580	668550780	668550783	668550980	668550983	668551280	668551580	668552080	668552780	668554080	
YLHA Heat pump units (without Pack)	668650580	668650780	668650783	668650980	668650983	668651280	668651583	668652080	668652780	668654080	
High pressure fans	611991082					611991083			611991084	611991085	611991086
Copper/copper condenser c/o	611080780	611080781				611080782	611080783	611080784	611080786	611080787	
Copper/copper condenser h/p											
LAK -18°C	613112083								STANDARD		

Accessories (Supplied loose)

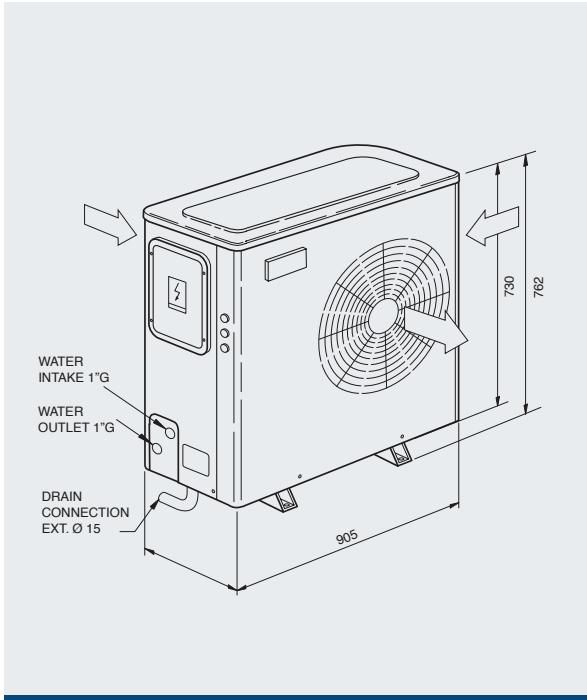
Water tank	613990200 (20 litres)			613990200 or 613990300			613990300 (30 litres)		613991411 (140 litres)		(1)									
	20 L + 2 kW (1~)	613990205						-												
	20 L + 3 kW (1~)	613990206						-												
Water tank + heater	20 L + 2 kW (3~)	-	613990207						-											
	30 L + 4.5 kW (1~)	-			613990305			-												
	30 L + 6 kW (3~)	-			613990306			-												
	140 L + 4.5 kW (3~)	-						613990306 (TBC)												
Water filter *	611300100					611300120			611300150											
Water flow switch *	611992021																			
Remote control	613802011																			
Remote terminal	613802231																			
Anti vibration mounting	613029001						613029002													
BMS Communication	613802041																			

*included with unit version "C" only for unit without pack.

(1) 668554084 for YLCA 40 G1 TP / 668654084 for YLHA 40 G1 TP

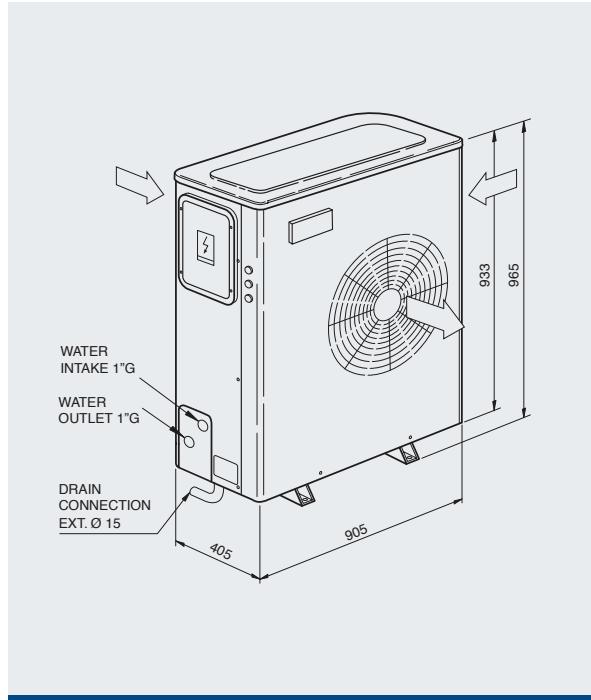
Dimensions, hydraulic connections and space requirements

YLCA-YLHA 5 M-MC



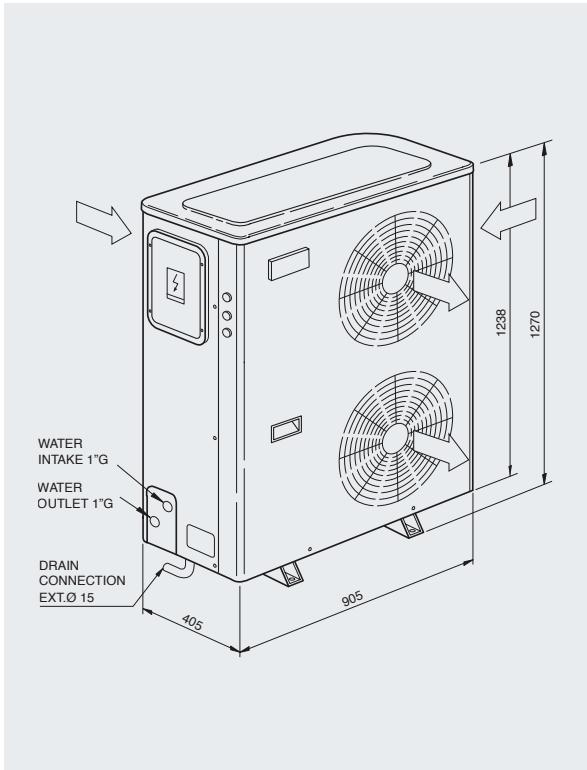
All dimensions in mm. Drawings not a scale.

YLCA-YLHA 7/9 M-MC/T-TC



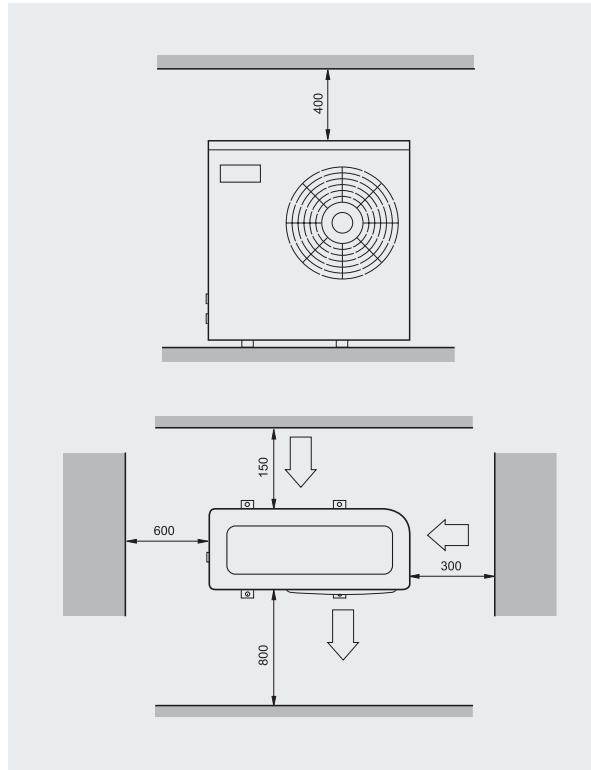
All dimensions in mm. Drawings not a scale.

YLCA-YLHA 12/15 T-TC



All dimensions in mm. Drawings not a scale.

Model YLCA-YLHA 5/7/9/12/15



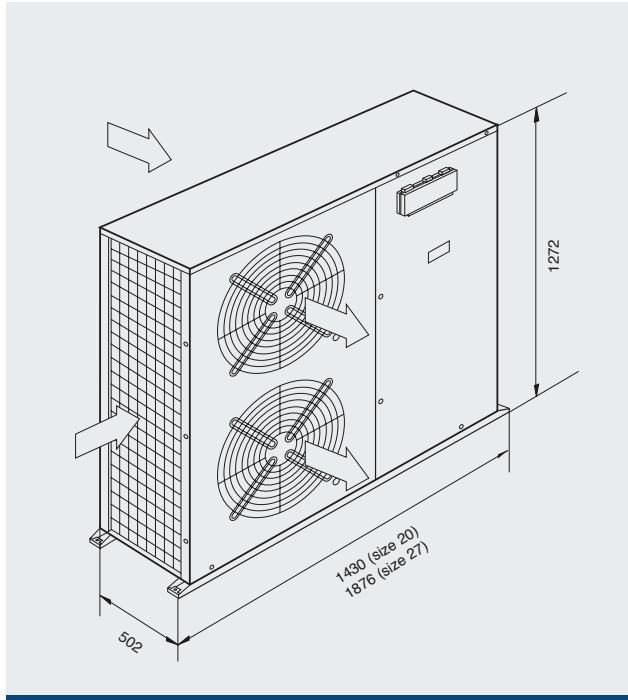
All dimensions in mm. Drawings not a scale.

YLCA-YLHA 5 to 40

ecofrio^{v2}
The power in cooling

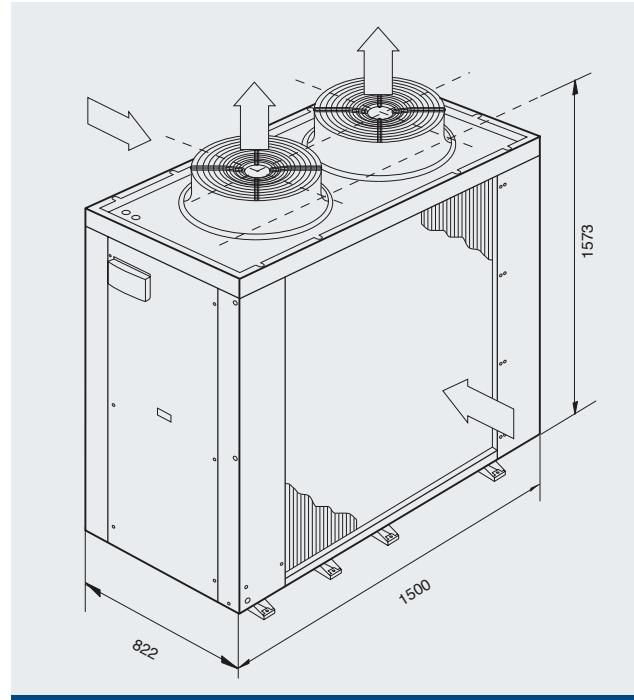


YLCA-YLHA 20/27 T-TC



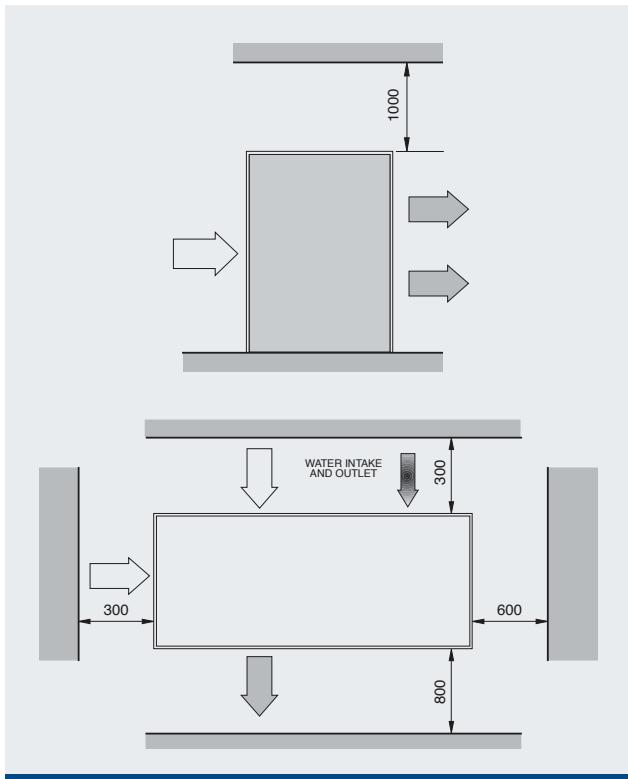
All dimensions in mm. Drawings not a scale.

YLCA-YLHA 40 T-TC-TP



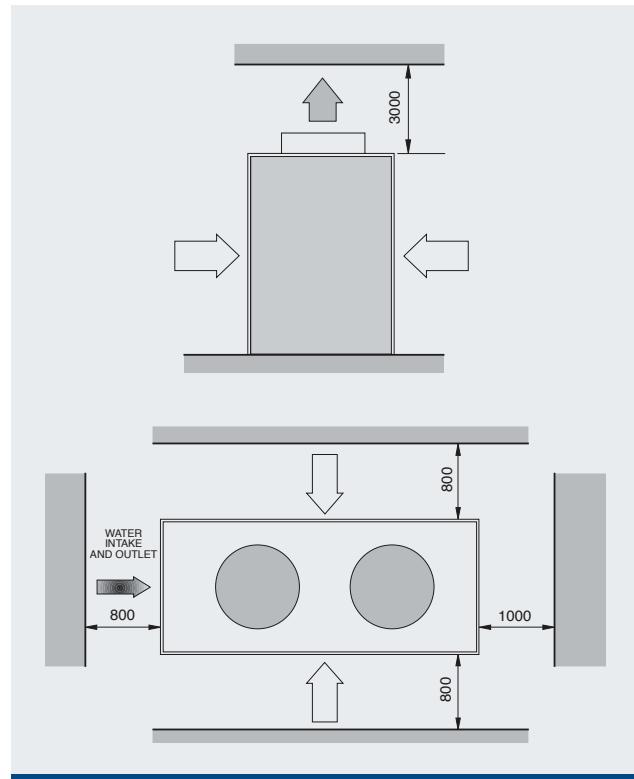
All dimensions in mm. Drawings not a scale.

Model YLCA-YLHA 20/27



All dimensions in mm. Drawings not a scale.

Model YLCA-YLHA 40



All dimensions in mm. Drawings not a scale.